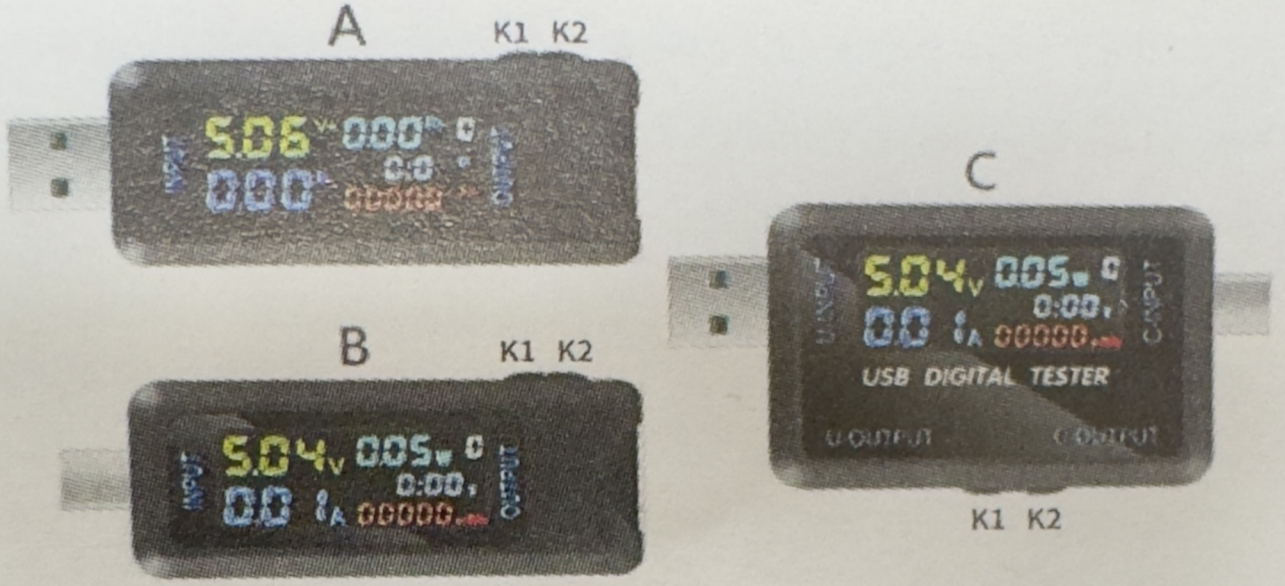
USB electric energy detector

(User Manual - General Edition)



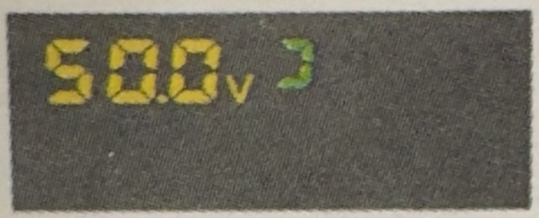
This product monitors and displays the electrical parameters when charging mobile phones, as well as tests various USB devices such as charger power and mobile power capacity

Key operation instructions:

K1: On key, K2: Mode key

1. Short press the on button to turn on and off the display screen
2. Long press for 3 seconds to switch between data groups
3. Short press the mode key to switch display pages
4. Quickly press the three button switch to reset the battery level to zero (mWh), reset the timing to zero , and reset the capacity to zero (mAh)
5. Long press the switch button for two seconds to replace the cumulative data storage group number (NO. X)

Voltage alarm function settings:

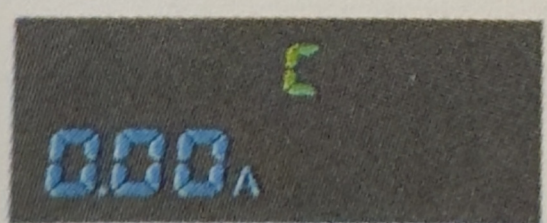


Short press the mode button to switch to the voltage limit alarm setting page. Long press the 2-second power button to enter the setting. After setting the voltage parameters, long press the 2-second power button to save data and return to the setting page.

Short press the mode button to switch to the low voltage alarm settings page, long press the 2-second power button to enter the settings. After setting the voltage parameters, long press the 2-second power button to save data and return to the settings page.

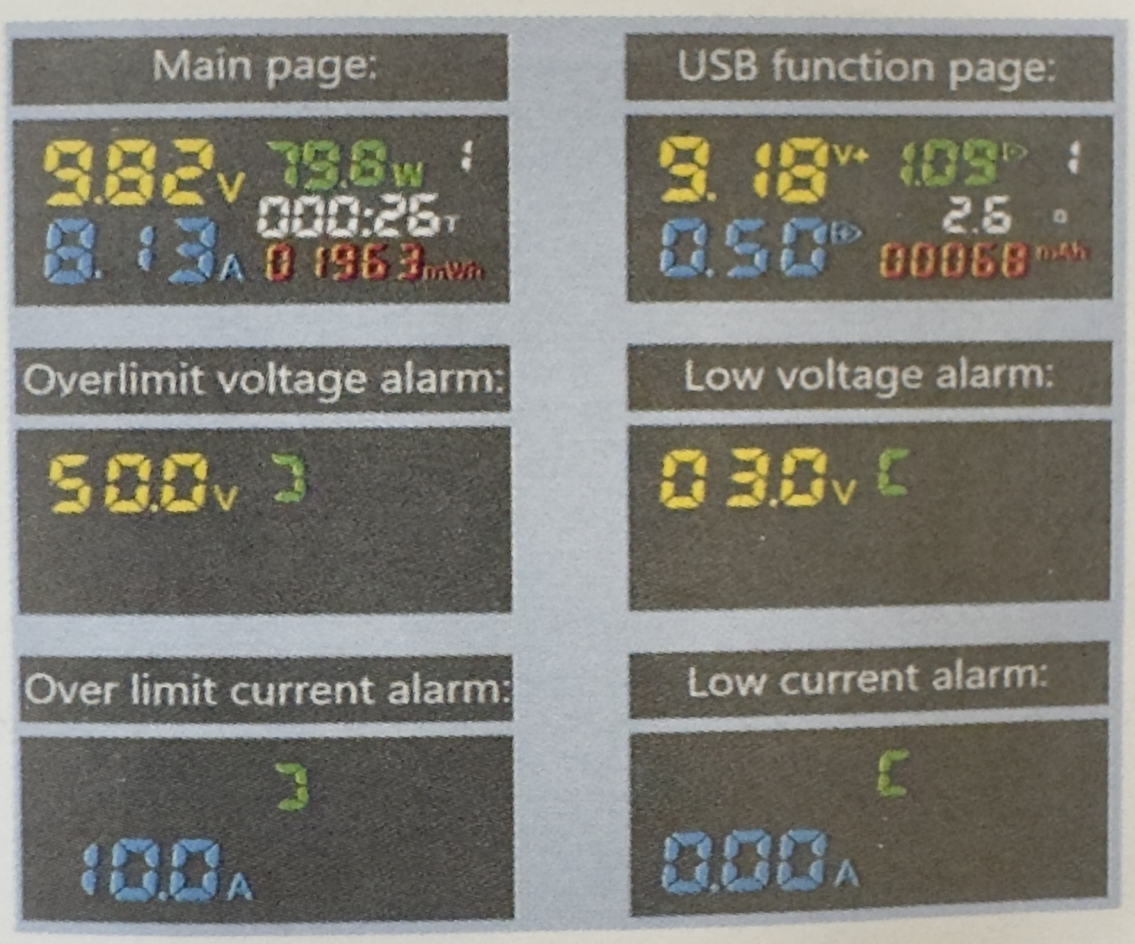
Current quotation function settings:

Short press the mode button to switch to the current limit alarm setting page. Long press the 2-second power button to enter the setting. After setting the current parameters, long press the 2-second power button to save data and return to the setting page.

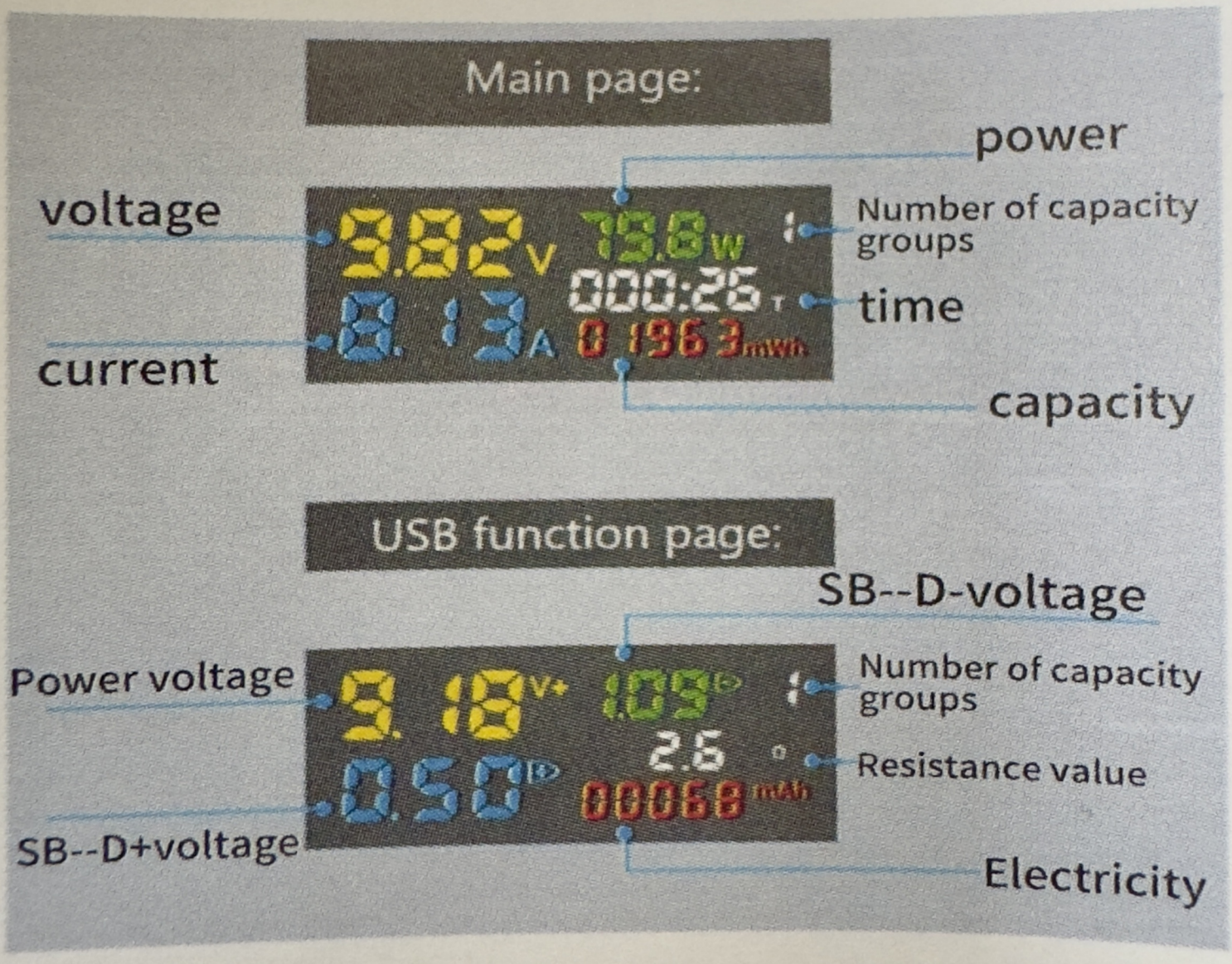


Short press the mode button to switch to the low current alarm settings page, long press the 2-second power button to enter the settings. After setting the current parameters, long press the 2-second power button to save data and return to the settings page.

Interface display image:



Function display diagram:



Reminder: Some users fail to understand that the nominal current value of the charger is the maximum output current value at maximum load, not the current value when charging the phone, so different loads have different current values.
The selection of load current size follows the calculation formula of Ohm's law in physics:

Voltage volts/resistance (ohms)=current (amperes)

Warning: Several wires inside this meter are connected directly, which does not affect the transmission of any fast charging protocol. Occasionally, due to insertion loss, it is normal that the low voltage and high current fast charging mode cannot be recognized.